

SHIFTABLE TOOTHED-BELT DRIVE

ABSTRACT OF THE DISCLOSURE

A shiftable toothed-belt drive, containing an engagement and disengagement device, in order alternately to mesh radially and demesh radially a toothed belt, which is guided around at least two gearwheels, with and from at least one of the two gearwheels. A disengager in the form of two externally profiled pulleys is urged axially along the shaft of one of the gearwheels supporting the toothed belt for radially raising the belt and demeshing the belt from the gearwheel. An engager engages the outside of the belt for tensioning the belt sufficiently to counter the effect of the disengager, move the pulleys apart and mesh the belt with the one gearwheel.